Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:- Modified Estimate for Construction of samudaya Bhavana at 5th phasae Yelahanka in Someshwara Ward No-03 Yelahanka New Town Sub Division.

Modified Estimated Cost RS :- 22.52 Lakh's

Agency:-Sri C.Hema Ganesh (Sri Krishna Constructions)

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Name of work:- Modified Estimate for Construction of samudaya Bhavana at 5th phasae Yelahanka in Someshwara Ward No-03 Yelahanka New Town Sub Division.

Modified Cost RS 2252000.00

S.No	Description of Item's	Unit	No	Measurements L	B	D	Qty	Rate	Amount
1	Dismantling stone slab flooring laid in cement mortor including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of engineer in charge(PWD SR 2021-22 Vol-II page 165 item no 19.24)	Cum							
	Cobble Stone		1	27.70	8.20		227.14		
							227.14	1377.45	312873.99
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.1)	Cum							
	Footing,s:-C1		4	2.70	2.40	1.95	50.54		
	C2		9	3.00	2.70	1.95	142.16		
	C3		5	2.40	2.10	1.95	49.14		
	Foundation:-Long Walls		1	8.18	0.80	0.90	5.89		
			1	7.16	0.80	0.90	5.16		
			1	8.72	0.80	0.90	6.28		
	Short Walls		1	7.75	0.80	0.90	5.58		
			2	4.85	0.80	0.90	6.98		
			1	5.12	0.80	0.90	3.69		
			1	4.73	0.80	0.90	3.40		
	Debries Removal		1	5.49	0.80	0.90	3.95		
			1	12.00	6.00	0.80	57.60		
			1	9.00	4.50	0.75	30.38		
							370.74	197.13	73085.00
3	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 (PWD SR 2018-19/ Pg No-7/ II no. 2.15)	Cum							
	Footing,s:-C1		4	2.70	2.40	0.15	3.89		
	C2		9	3.00	2.70	0.15	10.94		
	C3		5	2.40	2.10	0.15	3.78		
							18.60	2537.92	47213.00

4	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost ofall materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately). Mix **1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates) (PWD SR 2021-22/ Pg No 15/ Volume I no. 2.1.3)	Cum								
	Footing,s:-C1		4	2.70	2.40	0.15	3.89		
	C2		9	3.00	2.70	0.15	10.94		
	C3		5	2.40	2.10	0.15	3.78		
	Foundation:-Long Walls		2	15.01	0.75	0.15	3.38		
			1	15.76	0.75	0.15	1.77		
	Short Walls		2	8.35	0.75	0.15	1.88		
			2	8.60	0.75	0.15	1.94		
			1	8.10	0.75	0.15	0.91		
			1	7.85	0.75	0.15	0.88		
	Flooring		1	16.50	8.20	0.15	20.30		
							49.66		
						Up to 125% of Quantity	**46.01**	5503.95	**253251.00**
						Above 125% of Quantity	**3.65**	5503.96	**20064.00**
	Basic Rate	5554.00							
	Area Weightage @ 10%	555.40							
	SubTotal	**6109.40**							
	Tender Premium @(-9.91)	605.44							
	GrandToal RS	**5503.96**							
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.1)	Cum								
	Basement Coping:-Long Walls		2	15.01	0.45	0.12	1.62		
			1	15.76	0.45	0.12	0.85		
	Short Walls		2	8.35	0.45	0.12	0.90		
			2	8.60	0.45	0.12	0.93		
			1	8.10	0.45	0.12	0.44		
		2	1	7.85	0.45	0.12	0.42		

								5.16	5827.02	30095.00
6	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Vol 2/ P No-9/ I no- 5.4 of PWD SR 2021-22)	Cum								
	Foundation:-Long Walls		2	15.01	0.55	0.90	14.86			
			1	15.76	0.55	0.90	7.80			
	Short Walls		2	8.35	0.55	0.90	8.27			
			2	8.60	0.55	0.90	8.51			
			1	8.10	0.55	0.90	4.01			
			1	7.85	0.55	0.90	3.89			
							47.34	5303.77	251096.00	
7	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- 1 P.No -7 / I.No -1.9)	Cum								
	Earth Work Excavation		Qty vide from Item no.2				370.74			
	(-)Deductions:-									
	PCC for Footing		Qty vide from Item no.4				29.36			
	Filling in foundation with granite / trap broken metal		Qty vide from Item no.3				18.60			
	SSM Footing		Qty vide from Item no.6				47.34			
	Footing Concrete Quantity		Qty vide from Item no.10				68.34			
							163.65			
							207.10	202.16	41867.00	
8	**Loading and Unloading of Stone Boulder/Stoneaggregates/Sand/Kankar/Moorum.**(Tip per 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)	Cum								
	Earth Work Excavation		Qty vide from Item no.2				370.74			
	Filling Available of Excavated Earth					(-)	207.10			
							163.65	73.33	12001.00	
9	**Cost of Haulage** Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)	T.Km								
				163.65		1.28	209.47			
							209.47	95.11	19923.00	

10	Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22)	Cum								
	Footing,s:-C1		4	2.40	2.10	0.60	12.10		
	C2		9	2.70	2.40	0.60	34.99		
	C3		5	2.10	2.10	0.60	13.23		
	Pedastal,s:-C1		4	0.75	0.75	0.80	1.80		
	C2		9	0.75	0.75	0.80	4.05		
	C3		5	0.60	0.60	0.80	1.44		
	Column,s Up to plinth:-C1		4	0.45	0.20	0.45	0.16		
	C2		9	0.45	0.20	0.45	0.36		
	C3		5	0.45	0.20	0.45	0.20		
	Plinth Beam:-Long Walls		3	17.46	0.30	0.45	7.07		
	Short Walls		6	8.80	0.30	0.45	7.13		
							82.54	**6531.81**	**539112.00**
11	Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)	Cum								
	Columns For Lintel Levell:-C1		4	0.45	0.20	2.10	0.76		
	C2		9	0.45	0.20	2.10	1.70		
	C3		5	0.45	0.20	2.10	0.95		
							3.40	**6743.29**	**22941.00**

12	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 2 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda)	kg							
	Footing,s		1	60.32	20.00		1206.36		
	Pedestal,s		1	7.29	35.00		255.15		
	Plinth Beam		1	14.20	95.00		1348.93		
	Columns		1	4.13	110.00		454.41		
							3264.85	87.21	**284718.47**
	Basic Rate	88.00							
	Area Weightage @ 10%	8.80							
	SubTotal	96.80							
	Tender Premium @(-9.91)	9.59							
	GrandToal RS	87.21							
							Total Amount RS		**1908240.46**
13	Miscellenous and Unforcean charges	L/S					**Add 18% of GST RS**		**343483.28**
									276.25
							Grand Total RS		**2252000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2021-22, Data Rates and approved rates.

Assistant Engineer
Ward No-03

Executive Engineer
Yelahanka Division
Bruhat Bengaluru Mahanagara Palike

Assistant Executive Engineer
Yelahanka New Town Sub Division
Bruhat Bangalore Mahanagara Palike

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Technical Sanction
Accorded For Rs 22,52,000.00
Head of A/C P.3726
CER NO : 80 Dt. 14.03.2023